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(71)Applicant : TOTO LTD
(72)Inventor : SUGANO MITSUMASA
YAMAMOTO MASAHIRO
NORIMOTO KEIICHIRO
HAYAKAWA MAKOTO

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(54) PHOTOCATALYTIC COATING COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a photocatalytic coating composition the foreign odor of which has been effectively masked without detriment to photocatalytic action and effects based thereon by mixing photocatalytic metal oxide particles with a perfume and a solvent.

SOLUTION: 90-20 wt.% photocatalytic metal oxide particles having a mean particle diameter of 1-100 nm, desirably, 1-50 nm are mixed with 10 wt.% or below, desirably, 0.0001-5 wt.% perfume, 10-80 wt.% difficultly decomposable binder, a mixed solvent comprising a water-soluble solvent having a boiling point of 120°C or above, a water-soluble solvent having a boiling point of 120°C or below, and water, and, optionally, 0.0005-2 wt.%, desirably, 0.001-2 wt.% surfactant, and an acid such as nitric acid or propionic acid in such amounts that the total of the photocatalytic metal oxide particles and the difficultly decomposable binder is 0.01-5 wt.% to obtain a photocatalytic coating composition which can give a coating film with a surface which, when excited with light, develops hydrophilicity or improves in its hydrophilicity.

LEGAL STATUS

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